

## AGENDA

### UNIFORM BUILDING CODE COMMISSION PLUMBING /HEALTH ADVISORY COMMITTEE MEETING

September 2, 2021 9:00 AM

*This agenda is subject to change up to 24 hours prior to the meeting.*

#### Anchor Location

North Conference Room  
Heber M Wells Building  
160 E 300 S  
Salt Lake City, UT

#### Join with Google Meet

[meet.google.com/xiq-ttyy-nff](https://meet.google.com/xiq-ttyy-nff)

#### Join by phone

(US) +1 617-675-4444 PIN: 521 460 001 2337#

1. Roll call and welcome new committee members
2. Approval of the June 3, 2021 minutes
3. Continue with the review of the plumbing portion of the 2021 IRC and current amendments
4. Review proposed amendments for Sections P2508.2, P2602.1, P2801.6.3, P2804.6.1, 15A-3-205(6), P2902.1.2.1, P3007.3.3.1, and P3009

**Next Scheduled Meeting:** October 7, 2021

Please call Sharon at 530-6163 or email [ssmalley@utah.gov](mailto:ssmalley@utah.gov) if you do not plan on attending.



In compliance with the Americans with Disabilities Act, individuals needing special accommodations (including auxiliary communicative aids and services) during this meeting should notify Dave Taylor, ADA Coordinator, at least three working days prior to the meeting. Division of Occupational and Professional Licensing, 160 East 300 South, Salt Lake City UT 84115, Phone 530-6628 or toll-free in Utah only 866-275-3675.

MINUTES

UNIFORM BUILDING CODE COMMISSION  
PLUMBING /HEALTH ADVISORY COMMITTEE  
MEETING

June 3, 2021 9:00

Electronic Meeting

CONVENED: 9:06

ADJOURNED: 11:37

STAFF:

Steve Duncombe, Bureau Manager  
Sharon Smalley, Secretary

COMMITTEE MEMBERS:

Nelson Hooton  
Nathan Lunstad  
Andrea Gamble  
Travis Hales (absent)  
Jeff Brown (absent)

Robert Patterson (absent)  
Linda Ebert  
Jeremy Haslam  
Don Simons

VISITORS: Jesse Sharp

MINUTES

A motion was made by Linda Ebert to approve the minutes from the May 6, 2021 meeting as written. The motion was seconded by Jeremy Haslam and passed unanimously.

REVIEW CURRENT  
AMENDMENTS AND  
RECOMMENDED CHANGES  
FOR 2021 IPC

The committee reviewed their recommendations for amendments for the 2021 IPC. A motion was made by Jeremy Haslam to correct the proposed amendment for IPC Section 312.10.2 by changing it to read, "IPC Section 312.10.2 is deleted and replaced with the following". The remaining wording is not changed. The motion was seconded by Don Simons and passed unanimously.

A motion was made by Linda Ebert to correct the amendment for IPC Section 903.6 by changing the wording to be "A new Section 903.7 is added as follows:" The motion was seconded by Jeremy Haslam and passed unanimously.

During the review it was pointed out that the committee is still waiting for a proposal for a new

amendment for Section 1301.5.1. The wording for the new amendment for this section will be reviewed at a later meeting.

FINISH THE REVIEW OF THE  
2021 INTERNATIONAL SWIMMING  
POOL AND SPA CODE AND CUR-  
RENT AMENDMENT FOR SECTION  
320.1

The committee continued with the review of the 2021 ISPSC. A motion was made by Linda Ebert to accept the changes in the 2021 ISPSC to Sections 311.3 311.3.1 311.3.2. The motion was seconded by Jeremy Haslam and passed unanimously.

A motion was made by Don Simons to add a new amendment to 311.3.2 by adding the word “private” in front of the word “residential”. The motion was seconded by Linda Ebert. Following a discussion, Don Simons withdrew the motion.

A motion was made by Don Simons to delete the definition for residential swimming pool in Section 202 and replace it with the wording “See the definition for Private Residential Swimming Pool.” The motion was seconded by Linda Ebert and passed unanimously.

A motion was made by Linda Ebert to keep the two current amendments to the ISPSC. The motion was seconded by Jeremy Haslam and passed unanimously.

START THE REVIEW OF THE  
PLUMBING PORTION OF THE  
2021 IRC

The committee started their review of the plumbing portion of the 2021 IRC.

A motion was made by Linda Ebert to accept the changes to Section P2503.5.1. The motion was seconded by Nelson Hooton and passed unanimously.

A motion was made by Nelson Hooton to accept Chapter 25 as presented in the 2021 IRC. The motion was seconded by Don Simons and passed unanimously.

At this point in the meeting, Nathan Lunstad joined the meeting.

Linda Ebert will do a further review of Section P2602.1 for a possible amendment. Nathan Lun-

stad will also review this section and they will report back at the next meeting.

A motion was made by Nelson Hooton to accept Chapter 27 as presented in the 2021 IRC. The motion was seconded by Nathan Lunstad and passed unanimously.

A motion was made by Linda Ebert to keep the two current amendments for Chapter 27. The motion was seconded by Nathan Lunstad and passed unanimously.

The meeting adjourned at 11:27.

*Note: These minutes are not intended to be a verbatim transcript but are intended to record the significant features of the business conducted in this meeting. Discussed items are not necessarily shown in the chronological order they occurred.*



## **P2503.8 Inspection and testing of backflow prevention ~~devices~~ assemblies.**

**P2503.8.1 Inspections.** Inspections shall be made of backflow prevention assemblies to determine whether they are operable.

The IPC requires annual inspections of all backflow prevention assemblies and air gaps. As this is a residential code, do we need to worry about the air gaps?

P2508.2 is deleted and replaced with the following: "P2508.2 Testing. Reduced pressure principle, double check, pressure vacuum breaker, reduced pressure detector fire protection, double check detector fire protection, and spill-resistant vacuum breaker backflow preventer assemblies shall be tested at the time of installation, immediately after repairs or relocation and at least annually. The Utah Cross Connection Control Commission has adopted the field test procedures published by the Manual of Cross-Connection Control, Tenth Edition. This manual is published by the University of Southern California's Foundation for Cross-Connection Control and Hydraulic Research. Test gauges shall comply with ASSE 1064."

This verbiage is consistent with the requirements found in 15A-3-303(5) 312.10.2 Testing.

<sup>3.9</sup>  
**P2509.3** are they referring to test gauges for testing backflow assemblies or are they referring to test gauges for testing water systems? If for backflow assemblies, then recommend deleting and using the ASSE 1064 standard as referenced above and in the IPC.

**P2602.1 General.** The water-distribution system of any building or premises where plumbing fixtures are installed shall be connected to a public water supply. Where a public water supply system is not available, or connection to the supply is not feasible, an individual water supply shall be provided. Individual water supplies shall be constructed and installed in accordance with the applicable state and local laws. Where such laws do not address the requirements set forth in NGWA 01, individual water supplies shall comply with NGWA 01 for those requirements not addressed by state and local laws. Where a potable public water supply is not available, individual sources of potable water supply shall be utilized provided that the source has been developed in accordance with Utah Code, Sections 73-3-1, 73-3-3, and 73-3-25, as administered by the Department of Natural Resources, Division of Water Rights. In addition, the quality of the water shall be approved by the local health department having jurisdiction. The source shall supply sufficient quantity of water to comply with the requirements of this chapter."

This verbiage is consistent with 15A-3-205(1). Already is an amendment.

Sanitary drainage piping from plumbing fixtures in buildings and sanitary drainage piping systems from premises shall be connected to a public sewer. Where a public sewer is not available, the sanitary drainage piping and systems shall be connected to a private sewage disposal system in compliance with state or local requirements. Where state or local requirements do not exist for private sewage disposal systems, the sanitary drainage piping and systems shall be connected to an approved private sewage disposal system that is in accordance with the International Private Sewage Disposal Code. Every building in which plumbing fixtures are installed and all premises having drainage piping shall be connected to a public sewer where the sewer is accessible and is within 300 feet of the property line in accordance with Utah Code, Section 10-8-38; or an approved private sewage disposal system in accordance with Utah Administrative Code, Rule R317-4, as administered by the Department of Environmental Quality, Division of Water Quality."

This verbiage is consistent with 15A-3-205(2). Already an amendment.

Exception: Sanitary drainage piping and systems that convey only the discharge from bathtubs, showers, lavatories, clothes washers and laundry trays shall not be required to connect to a public



sewer or to a private sewage disposal system provided that the piping or systems are connected to a system in accordance with Section P2910 or P2911.

This is found in 2021 IPC Chapter 7 701.2. We did not change anything with our review of this chapter. If we change it in the IRC, we will need to make the same change in the IPC.

**P2801.6.2** the following is added at the end of the section: "When permitted by the code official, the pan drain may be directly connected to a soil stack, waste stack, or branch drain. The pan drain shall be individually trapped and vented as required in Section 907.1. The pan drain shall not be directly or indirectly connected to any vent. The trap shall be provided with a trap primer conforming to ASSE 1018 or ASSE 1044, a barrier type floor drain trap seal protection device meeting ASSE 1072, or a deep seal p-trap."

This verbiage is consistent with 15A-3-305(3) Amendments to Chapter 5 of IPC.

A new IRC, Section P2801.6.3 is added as follows: "P2801.6.3 Pan Designation. A water heater pan shall be considered an emergency receptor designated to receive the discharge of water from the water heater only and shall not receive the discharge from any other fixtures, devices, or equipment."

This verbiage is consistent with 15A-3-305(4) Amendments to Chapter 5 of IPC.

**IRC Section P2801.8, (15A-3-205(5)) is deleted and replaced with the following:** "P2801.8 Water Heater Seismic bracing. As a minimum requirement, water heaters shall be anchored or strapped to resist horizontal displacement caused by earthquake motion. Strapping shall be at points within the upper one third and lower one-third of the appliance's vertical dimensions. "

This verbiage is consistent with 15A-3-305(1) Amendments to Chapter 5 of IPC. This would also replace 15A-3-205(5).

**P2804.6.1** a new number is added at the end of the section: "15. Be installed in accordance with the manufacturer's installation instructions, not to exceed 180 degrees in directional change."

This verbiage is consistent with 15A-3-305(2) Amendments to Chapter 5 of IPC. This would be a new amendment 15A-3-205(6) – would need to renumber.

**15A-3-205 (6)** A new IRC Section P2902.1.1 Backflow Assembly Testing. Reduced pressure principle, double check, pressure vacuum breaker, reduced pressure detector fire protection, double check detector fire protection, and spill-resistant vacuum breaker backflow preventer assemblies shall be tested at the time of installation, immediately after repairs or relocation and at least annually. The Utah Cross Connection Control Commission has adopted the field test procedures published by the Manual of Cross Connection Control, Tenth Edition. This manual is published by the University of Southern California's Foundation for Cross-Connection Control and Hydraulic Research. Test gauges shall comply with ASSE 1064."

Recommend this change to be consistent with the proposed amendment of Section 312.10.2 in the 2021 IPC.

#### **P2902.1.2.1 - Amendments**

**15A-3-205(7) a.** The assembly may not be installed in a pit or below grade where the relief

port could be submerged in water or where fumes could be present at the relief port discharge.

This verbiage is consistent with 15A-3-306(6) 608.1.2.1a.

**15A-3-205(7)c.** The assembly shall be installed in a horizontal position only, unless listed or approved for vertical installation in accordance with Section 303.4 of the IPC as amended in 15A-3-303(1).

The IRC Section 303.4 does not have anything to do with backflow assemblies or installation. Refer this back to the IPC Section 303.4 and 15A-3-303(1).

**15A-3-205(10)** IRC, Section P2910.5, is deleted and replaced with the following: **P2910.5 Potable water connections.** When a potable water system is connected to a nonpotable water system, the potable water system shall be protected against backflow by a reduced pressure backflow prevention assembly or an air gap installed in accordance with Section P2901.

Do we need to add connection utilizing a swing connection?

**15A-3-205(14)** can remove, the words “and backwater valves” are not in this section.

15A-3-205(16) In IRC, Section ~~P3103.6~~ P3101.4, the following sentence is added at the end of the paragraph: “Vents extending through the wall shall terminate not less than 12 inches from the wall with an elbow pointing downward.”

**P3007.3.3.1 Materials.** Pipe and fitting materials shall be constructed of copper alloy, copper, CPVC, ductile iron, PE stainless steel, cast iron, galvanized steel, brass, or PVC.

This addition is consistent with 15A-3-307 (3) Amendments to Chapter 7 of IPC.

**Section P3009 Graywater Soil Absorption Systems is deleted and replaced with the following:**

“P3009 Graywater Soil Absorption Systems:

Graywater recycling systems utilized for subsurface irrigation for single-family residences shall comply with the requirements of UAC R317-401, Graywater Systems. Graywater recycling systems utilized for subsurface irrigation for other occupancies shall comply with UAC R317-3, Design Requirements for Wastewater Collection, Treatment, and Disposal Systems, and UAC R317-4, Onsite Wastewater Systems.”

This verbiage is consistent with 15A-3-314 Amendment to Chapter 14 of IPC. We can use this verbiage or the current amendment 15A-3-205(15).

**Swimming Pool Chapters/Sections – no need to review with this committee.**

Chapter 42 Swimming Pools – this chapter covers the construction and installation of electric wiring and equipment associated with all swimming pools, wading pools, decorative pools, hot tub and spas, and hydromassage bathtubs.

R327 – refers to the ISPSC

N1103.10 – pool covers

## Appendix AG – Piping Standards